

SECRET

GUS-0239

Contract No. SP-1915
Amendment No. 5

Lockheed Aircraft Corporation
Burbank, California

Gentlemen:

1. Reference is made to Contract No. SP-1915 entered into between the parties hereto on 15 June 1957.

2. Section C of APPENDIX I of Amendment No. 4 is amended to include the following scope of work:

"(a). Evaluation of various aircraft shapes with regard to radar cross section. This study also includes investigations of various dielectric materials, methods of construction of aircraft components, and means for shielding powerplant inlets and outlets. At appropriate periods, progress reports will be provided to report the scope of the work. At the conclusion of these tests, an over-all summary report will be prepared and submitted.

(b). Aircraft design studies covering both subsonic and supersonic aircraft to accomplish a specialized mission. This study will cover aircraft of unusual inflatable construction, as well as those using metallic structures to do the basic mission. A report will be prepared on this subject.

(c) Preliminary design studies on a series of aircraft incorporating anti-radar features to the highest degree possible, and compared with some not so compromised. Various power plants will be investigated. Problems of air conditioning, pressurization, and performance will be studied. Short progress reports will be presented verbally from time to time, as desired by the customer, and a summary report will be prepared and submitted on the major aircraft types investigated.

(d) Evaluation of titanium alloys for construction of high speed aircraft. Problems of machining, strength at temperatures up to 800°F, problems of fastening the material together, and structural tests of sample panels will be undertaken. A separate report on this subject will be furnished.

(e) Performance of security investigations.

(f) Low speed wind tunnel tests of one configuration. A report will be prepared on the subsonic lift, drag and stability criteria for the type. High speed wind tunnel test models of the best configuration will be started but not necessarily completed or tested by July 4, 1959.

(g) Design engineering of various aircraft systems shall be carried on concurrently with the above studies, to provide a basis for the tests and performance evaluations noted in the items above. It is not intended to provide the multitudinous layout drawings or sketches resulting from this activity unless the customer specifically requests particular items.

Paragraphs (d) through (g) cover work currently being performed."

3. The Performance Period/Delivery Schedule appearing on the signature page of the basic contract is amended to read "1 July 1957 to 30 June 1958 for Sections A and B, and 1 July 1957 to 4 July 1959 for Section C."

4. The funds for Section C are increased by \$100,000 or a total of \$1,286,807.00. This amount plus the final fixed price of \$2,078,406.00 for Sections A and B result in a total consideration of \$3,365,213.00.

5. Amendment No. 4 specified that the final price for Sections A and B was contingent upon several conditions, one of which was the "reconciliation of delivery and receiving records." This is to formally acknowledge receipt and satisfactory completion of all services or work covered by Sections A and B of Contract No. SP-1915.

6. Please indicate your receipt of this Amendment No. 5 to Contract No. SP-1915 and your acceptance thereof by executing the original and two copies hereof. Return the fully executed original and one copy to the undersigned and retain the remaining copy for your files.

Very truly yours,
THE UNITED STATES GOVERNMENT

By/

Contracting Officer

ACKNOWLEDGED AND ACCEPTED
THIS 19th DAY OF May, 1959.
LOCKHEED AIRCRAFT CORPORATION

TITLE Vice President

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